February 27, 2013

Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, SW
Washington, DC 20554

Re: Notice of Ex Parte Presentation in PS Docket 12-333, PS Docket 11-153, PS Docket 10-255

Dear Ms. Dortch:

On February 25, 2013, the following personnel representing NexGen Global Technologies, LLC ("NexGen") – Rick Shaffer (CEO), Michael Romano (CTO), Ralph V. Hadley III (Board member), Don Prewitt (Board member); and Doron Gorshein (consultant to NexGen) - met with the following FCC personnel: Zenji Nakazawa, Tim May, David Siehl, Henning Schulzrinne, Jerome Stanshine, and participating via telephone, Erika Olsen.

At the meeting, NexGen provided an overview of its products and technologies. NexGen also summarized matters raised in its letter dated January 14, 2013, and filed in PS Dockets 10-255, 11-153 and 12-333.[1] During the meeting NexGen also reviewed the attached power point presentation. NexGen also discussed the implications and potential benefits of its technologies for the hearing impaired; as well as plans for implementation of longitude/latitude coordinates.

NexGen has developed products and technologies for real time transmission of photos, video and text for law enforcement and first responder purposes. NexGen's solution is a complement to text-to-911, and has the capability to accelerate and scale NG-911 services, with features and functionalities that can enhance public safety.

NexGen's technology is a hybrid SMS//MMS/IP solution. It can be deployed by PSAPs now, irrespective whether the existing infrastructure is analog or digital. Thus NexGen's technology can dramatically accelerate deployment of multimedia emergency service (MMES) (in particular photos and video), without the anticipated R&D or infrastructure cost, and time delay, associated with MMES in a pure IP environment.

NexGen's system is a cloud-based technology, which allows a cell phone user to call and speak to a 9-1-1 operator, at which time the caller receives notification on his/her mobile phone, to send in photos, video and text to the Emergency Communications Center (from his/her mobile phone). Once received, the 9-1-1 operator would be able to immediately forward the photos, video or text (and any pertinent biographical information such as

[1] See http://apps.fcc.gov/ecfs/document/view?id=7022104573.

height, weight or description), to all law enforcement personnel listed in the control panel -- all in real time. No special software or app is required on the mobile device, and cell phone users can use any wireless carrier. The technology interconnects across all cell phones and wireless devices, and as a stand-alone system easily integrates into any existing communication center without costly IT hardware and software changes or additions. The system can be easily installed and all personnel trained on its use in minutes. NexGen's technology suite also includes Satellite Assisted Mobility (SAM) Alerts, which allows for satellite communication in areas where land based and wireless infrastructures become disabled. In November 2012, NexGen successfully completed Beta Testing of its new NexGen 9-1-1 technology with the University of Central Florida (UCF) Police Department 9-1-1 Communications Center.[2] NexGen is a client company of the UCF Business Incubation Program.

As the Commission develops a framework and policies with respect to text-to-911 and NG911 for public safety, we asked that the Commission remain cognizant that MMES capabilities (to transmit photos, video and text) are available now, and can be deployed on existing PSAP infrastructure. During the meeting, we were asked to keep the Commission apprised of progress with respect to data points, trials, and our forthcoming product that will address the needs of the hearing impaired.

Thank you for your consideration of these matters.

Sincerely,

/s/

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Cc: Michael Romano
Doron Gorshein
David Siehl

[2] See http://www.incubator.ucf.edu/newscenter/2012_PressReleases/11-16_nexgen.html. More information about NexGen is available at: http://www.nexgengt.com.

NEXT GENERATON 2-WAY PHOTO, VIDEO & TEXT TRANSFER TECHNOLOGY

U.S. Mobile Usage

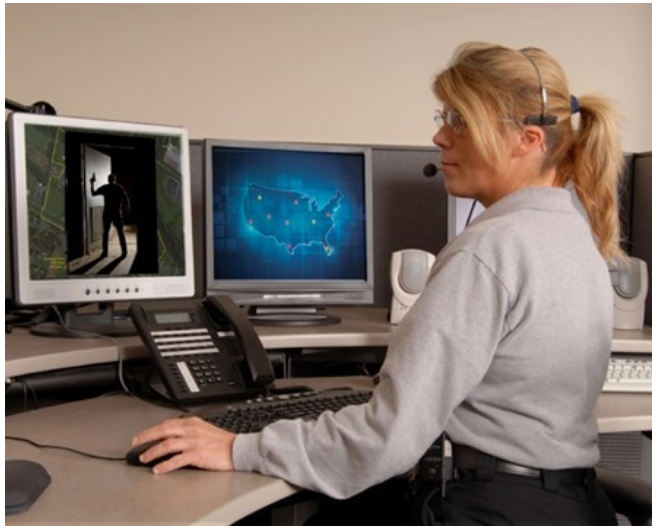
- *The number of 911 calls placed by people using wireless phones has significantly increased in recent years. It is estimated that about 70 percent of 911 calls are placed from wireless phones, and that percentage is growing.* *FCC Guide; Wireless Services*
- *96.3% of adult cell phone owners report that they have a cell phone with a camera* *wirefly.com*
- *34% of Americans live in wireless only households* *cdc.gov*
- *The percentage of wireless-only homes increased in every state* *CBSnews.com*
- *Nationwide 93% of Americans own mobile phones* *NewMedia TrendWatch*
- *About **75 percent** of 12 to 17-year-olds have cell phones* *examiner.com*

The Challenge

Q: How do 9-1-1 Communications Centers;

- *Receive, manage and disseminate incident related photos, video & text from/to cell phones?*
- *Send photos, videos & text to personnel?*
- *Explain to callers who have a photo/video/text related to an incident that they cannot send them to 9-1-1?*
- *Communicate if coverage is disrupted?*

A: Today, they can't.

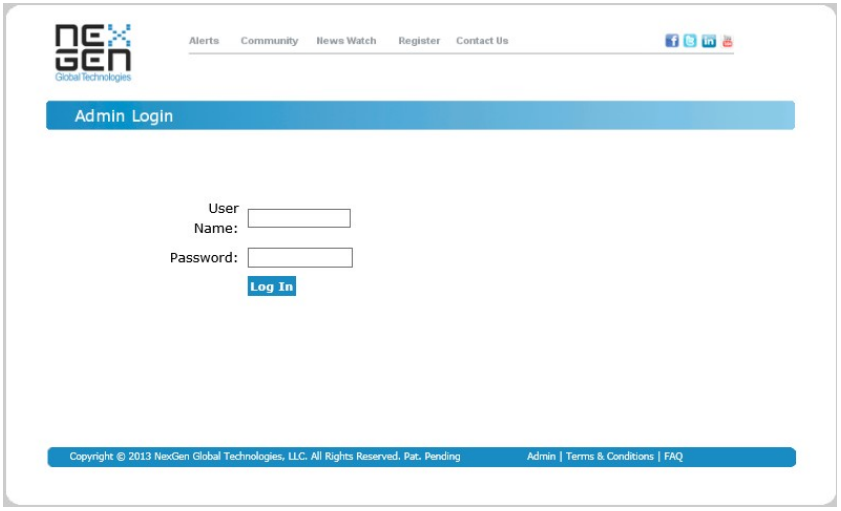


The NexGen 9-1-1 System

- *Real-time 2-way transfer of photos, video and text*
- *Works with all wireless carriers and networks*
- *Compatible with all cell phones*
- *Photos/video/text transfer rate is scalable*
- *No hardware or software needed*
  - *Client imaging server optional*
- *Does not require a phone app*
- *Cloud based network*
  - *Seamless secure environment*
  - *Secure firewall with high grade encryption*
  - *24/7 support and system maintenance*
  - *Anti Spam Defenses*
- *Easily integrates into existing;*
  - *9-1-1 Communications Centers*
  - *CAD (Computer Aided Dispatch) Systems*
  - *Voice Logger (Voice Recorder) Systems*
- *Meets IP (Internet Protocol) Standards*
  - *NexGen currently uses IP protocol for photos & videos*

Pending Releases

- *Modules*
  - *Longitude, latitude (X/Y) coordinates*
  - *Speech and hearing impaired*
  - *Desktop notification plug-in*
  - *Social media plug-in*
  - *Facial recognition*
- *CAD & voice logger integrations*
- *Premise (on location) solution*
- *Smartphone radio*



NexGen 9-1-1 Benefits

- *Capture critical incident cell photo, video & text intelligence in real-time*
- *Enhance response function*
- *Improve community coverage*
- *Increase recovery opportunities*
- *Expedite intelligence information*
- Two-way exchange with citizenry
- Retrieval of photo, video and text
- Communicate in wireless environment
- Capture image evidence before the media
- Throughput is scalable

NexGen 9-1-1 Capabilities

A cloud based next generation multimedia emergency notification platform

Enables 9-1-1 Communication Centers, law enforcement agencies, universities and corporations to send, receive, forward and retrieve photos, video (with sound) and text directly to/from cell phones in a scalable manner

Satellite Assisted Mobility (SAM)

Ability to automate Severe Weather Alerts, Amber Alerts, Silver and SAVIN (Statewide Automated Victim Information & Notification) and Sexual Predator Alerts

Interconnectivity

- *Nationwide, it is anticipated that NG911 can:*
  - *Take a decade to complete the framework*
  - *Cost billions of dollars*
- *NexGen 9-1-1 System:*
  - *Uses existing infrastructure*
  - *Can be setup quickly and cost effectively*
  - *Offers both immediate and long range solution*
  - *Bridges The 9-1-1 Communications Gap*
  - *Can be placed into each PSAP*
  - *Allows for interconnectivity*
  - *Will permit equal level of service to the community*
  - *IP standard compatible*

Potential Emergency Uses

Disseminate photos, video and text to Law Enforcement, First Responder, Security Personnel within minutes in order to:

- *Expedite searches for:*
  - *Missing/abducted child*
  - *Lost/missing senior citizens*
- *Enhance response to campus and work place violent incidents*
- *Terrorist Watch List Stop Confirmations*
- *Hostage Rescue Operations*
- *Man-Made or Natural Disaster Management*
- *Intelligence/Fusion Center Support*
- *Special Event Mobile Command Post Support*
- *Multiple Location Search/Arrest Operations*
- *General Public Crime Alerts/Podcasts*
- *Many other types of uses…*

Fire/Rescue, EMT Use

- Photos and videos can be shared with EMTs and local hospitals enabling doctors to make more accurate determination for emergency measures that may need to be taken and triage of the victims by EMT's during transport ...
- Especially beneficial in rural areas where transports can take nearly an hour

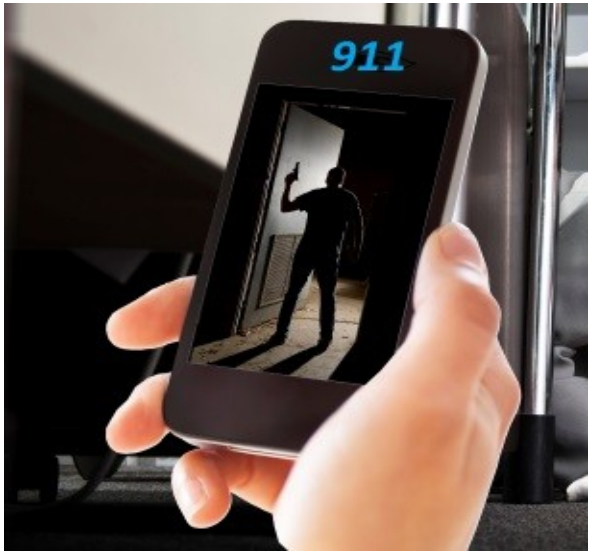
Speech and Hearing Impaired

20% of the US population aged 12 years and older has hearing difficulties severe enough to impact communication. Hearing Health Foundation

- *The NexGen Global Technologies' "9-1-1 Enable" module, currently in development, will allow for texting and sending in photos and videos to a 9-1-1 Communications Center in real-time.*
- *"9-1-1 Enable" will readily allow communications with a 9-1-1 Center by the Speech and Hearing Impaired Community and those persons in active crisis situations who may not be able to speak openly.*

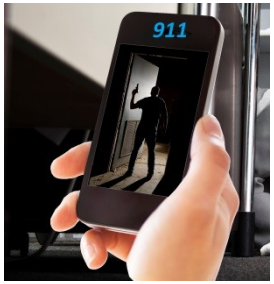
	GA 1964
	MVA/PI 2013

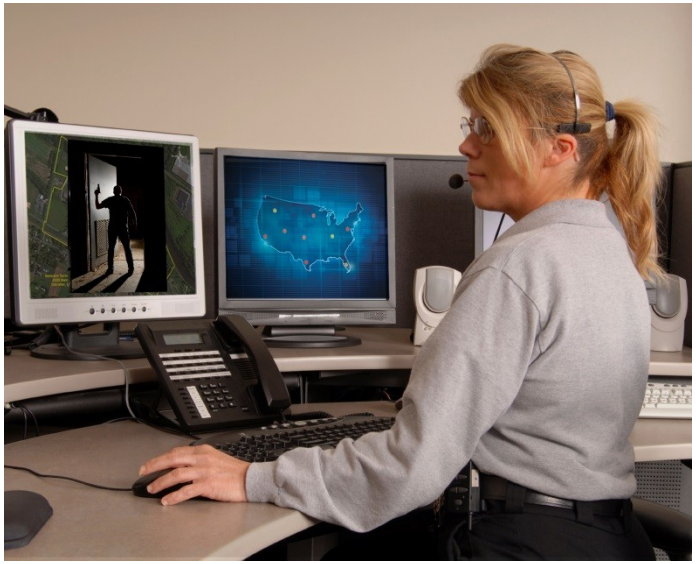
STEP 1: Citizen Calls 9-1-1



9-1-1 Call Taker/Dispatcher determines the cell caller has an image, video and/or text

STEP 2: Call Taker Sends MIR

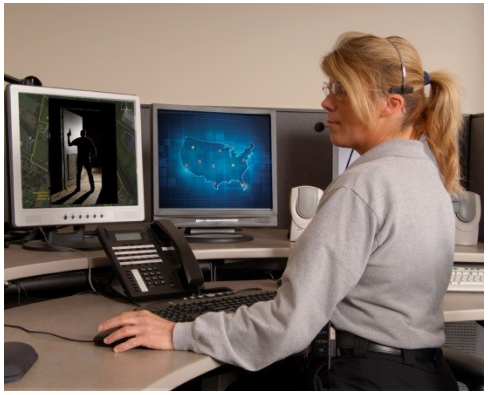




9-1-1 Call Taker/Dispatcher initiates M.I.R. (Multimedia Incident Retrieval), sending a message to the 9-1-1 caller's cell phone

9-1-1 caller attaches a photo, video and keys in any associated text to M.I.R. message then clicks send

STEP 3: Receive & Forward



9-1-1 Call Taker/Dispatcher receives photo, video and any associated text, immediately forwarding it to Law Enforcement/First Responders

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